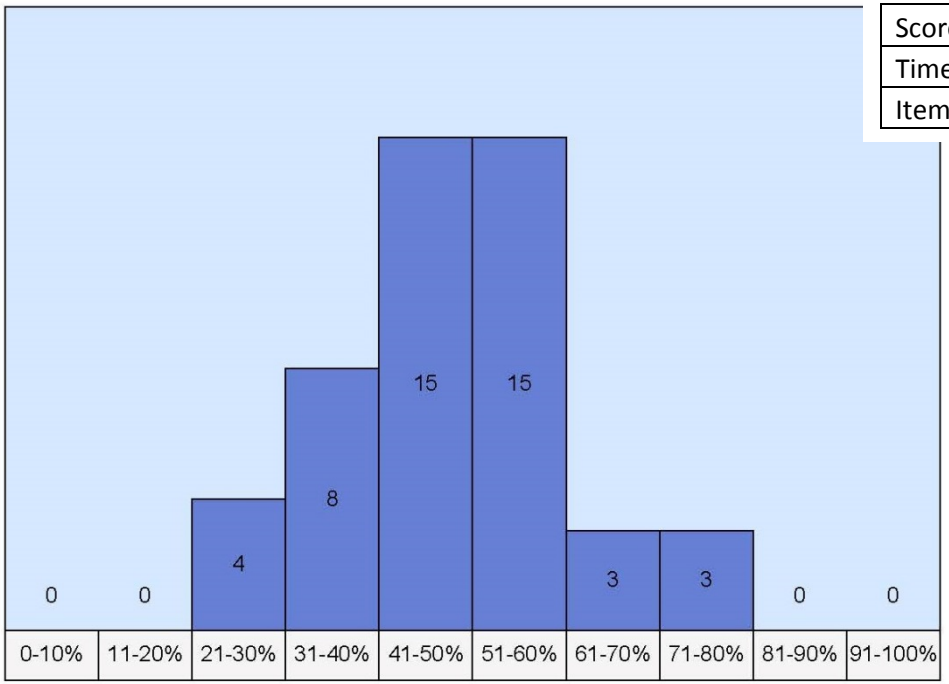
2013-14 State Results

Natural Resources and Wildlife Management

48 Participants



	Min	Max	Mean
Score	28	80	48.65
Time	00:09:55	00:58:22	00:36:32
Items Answered	97	100	99.73

Average Score: 48.6
Cut Score: 65
Pass Percentage: 10.4%

Nevada Department of Education
Office of Career, Technical and Adult Education

Assessment: Natural Resources and Wildlife Management
Accumulated Results

1) CONTENT STANDARD 1.0: EXPLORE NATURAL RESOURCE SCIENCE AND MANAGEMENT	46.53%
1) Performance Standard 1.1 : Investigate the Relationship Between Natural Resources and Society, Including Conflict Management	47.74%
1) 1.1.1 Define natural resource management	43.06%
3) 1.1.3 Describe human dependency and demands on natural resources	46.53%
4) 1.1.4 Explain natural resource conservation	53.12%
5) 1.1.5 Investigate the effects of multiple uses of natural resources (e.g., recreation, mining, agriculture, forestry, public lands grazing, etc.)	42.71%
6) 1.1.6 Analyze societal issues related to natural resource management	56.25%
2) Performance Standard 1.2 : Explain Interrelationships Between Natural Resources and Humans in Managing Natural Environments	46.67%
resources and the environment	62.50%
2) 1.2.2 Explain the effects and/or trade-offs of traditional consumptive uses of renewable natural resources (e.g., logging, grazing, hunting)	34.38%
3) 1.2.3 Assess the responsibility of individuals in stewardship of the environment	39.58%
3) Performance Standard 1.3 : Research the History of Conservation in the United States	31.25%
2) 1.3.2 Critique the national policies that impact natural resource conservation	31.25%
2) CONTENT STANDARD 2.0 : INVESTIGATE ECOLOGICAL CONCEPTS AND SCIENCE PRINCIPLES RELATED TO NATURAL RESOURCE SYSTEMS	48.28%
1) Performance Standard 2.1 : Explore Ecological Principles in Natural Resource Management	54.69%
1) 2.1.1 Describe the interdependence of organisms within an ecosystem (i.e. food chains and webs)	65.28%
2) 2.1.2 Investigate the processes associated with ecological succession	36.81%
4) 2.1.4 Explain the importance of biodiversity	62.50%
5) 2.1.5 Summarize how natural processes have been altered (e.g., invasives, exotics, fire intervals, etc)	59.03%
6) 2.1.6 Define and determine resiliency of ecosystems	55.21%
2) Performance Standard 2.2 : Describe Biological, Physical, and Chemical Properties of Soil	36.46%
4) 2.2.4 Determine soil classification	37.50%
8) 2.2.8 Recognize the relationship between vegetation and soil types	40.97%
10) 2.2.10 Describe soil erosion and prevention methods	29.17%
3) Performance Standard 2.3 : Explore Principles of Hydrology	47.08%
1) 2.3.1 Define watersheds and explain their hydrological and ecological function	60.42%
6) 2.3.6 Illustrate the importance of wetland management	27.08%
3) CONTENT STANDARD 3.0 : EXPLORE PRINCIPLES OF RANGELAND MANAGEMENT	45.10%
1) Performance Standard 3.1 : Analyze the Interrelationships Between Range Management and Other Natural Resource Activities	55.21%
2) 3.1.2 Identify the major rangeland types in Nevada	56.94%
3) 3.1.3 Identify characteristics of healthy rangeland	62.50%
4) 3.1.4 Assess different methods of rangeland improvement	48.96%
2) Performance Standard 3.2 : Identify Common Nevada Rangeland Plants	42.26%
1) 3.2.1 Identify morphological characteristics of grasses, grass-like plants, forbs and woody plants	29.17%
4) 3.2.4 Identify important Nevada rangeland plants and evaluate their use by animals	52.08%
3) Performance Standard 3.3 : Apply Rangeland Monitoring Practices	34.9%
1) 3.3.1 Describe various range sampling methods and the attributes measured by those samples	47.92%

2) 3.3.2 Determine stocking rates based on animal demand and forage supply	21.88%
4) CONTENT STANDARD 4.0 : EXAMINE FOREST RESOURCES AND MANAGEMENT	35.42%
2) Performance Standard 4.2 : Investigate Forest Ecology	35.42%
3) 4.2.3 Predict the effect of fire on forest ecology	35.42%
5) CONTENT STANDARD 5.0 : UNDERSTAND FIRE ECOLOGY DYNAMICS	79.17%
1) Performance Standard 5.1 : Explore the Effects of Fire on the Ecosystem	79.17%
3) 5.1.3 Interpret the factors affecting fire frequency today in Nevada	79.17%
6) CONTENT STANDARD 6.0 : UNDERSTAND THE IMPORTANCE AND APPLICATION OF GPS/GIS IN NATURAL RESOURCE MANAGEMENT	48.96%
1) Performance Standard 6.1 : Investigate GPS/GIS Systems and Their Applications	54.58%
1) 6.1.1 Define the uses of geographic information systems (GIS) and spatial analysis as it applies to natural resource management	42.71%
2) 6.1.2 Describe the purpose and function of a Global Positioning System (GPS)	93.75%
3) 6.1.3 Demonstrate the ability to use a GPS unit by navigating and collecting waypoints	46.88%
2) Performance Standard 6.2 : Demonstrate the Use of Land Management Maps	43.33%
1) 6.2.1 Use legal descriptions to identify locations and acreage	43.75%
3) 6.2.3 Predict terrain based on topographical maps	43.75%
4) 6.2.4 Demonstrate the ability to find GPS locations on a topographic map	41.67%
7) CONTENT STANDARD 7.0 : INVESTIGATE FISH AND WILDLIFE ECOLOGY	56.60%
1) Performance Standard 7.1 : Explore the Importance and Distribution of Fish and Wildlife Resources in Nevada	58.33%
3) 7.1.3 Describe the importance of wildlife, including indigenous and migratory species, their physical and behavioral characteristics, habitat, and management	52.78%
4) 7.1.4 List impacts on wildlife habitat	63.89%
2) Performance Standard 7.2 : Examine the Value of Riparian Areas on Wildlife Management	47.92%
1) 7.2.1 Define riparian habitat	43.75%
2) 7.2.2 Compare riparian habitat characteristics and uses to upland habitat characteristics and uses	65.62%
3) 7.2.3 Differentiate between riparian habitat management strategies	32.29%
3) Performance Standard 7.3 : Examine the Endangered Species Issues	89.58%
1) 7.3.1 Differentiate between threatened and endangered species management strategies	89.58%
8) CONTENT STANDARD 8.0 : EXAMINE THE USE OF RENEWABLE AND NONRENEWABLE RESOURCES AND MANAGEMENT	36.11%
1) Performance Standard 8.1 : Examine Mineral Resources and Management	58.33%
2) 8.1.2 Summarize the importance of mineral resources to society	58.33%
2) Performance Standard 8.2 : Recognize the Types and Importance of Energy Resources	25%
5) 8.2.5 Analyze positive and negative impacts of energy development on the environment	25.00%
11) CONTENT STANDARD 11.0 :Agriculture I and II Questions	49.58%
1) Performance Standard 11.1 : Agriculture I and II Questions	49.58%
40) 11.40 Determine the metric prefixes and units used for measuring length, volume weight, temperature, and area	52.08%
50) 11.50 Distinguish the major groups of plants	48.96%
67) 11.67 Describe the concept of soil texture and its importance	70.83%
75) 11.75 Distinguish between renewable and nonrenewable resources	64.58%
82) 11.82 Identify types of natural resource damage	27.08%
83) 11.83 Define ecology and ecosystems	43.75%
85) 11.85 Identify biomes and explain ecosystem diversity	8.33%

86) 11.86 Diagram and explain the nitrogen, phosphorus, carbon, and water cycle	58.33%
87) 11.87 Define range	45.83%
88) 11.88 Define multiple use	40.62%